

In The Abstract:

Please replace the originally-filed Abstract found on page 40 of the Specification with the following substitute Abstract. An unmarked version of the amended Abstract is submitted herewith on a separate sheet.

A system and method for ~~effectively~~ rendering high dynamic range images ~~may include~~ includes a rendering manager that ~~initially~~ divides an original luminance image into a plurality of original subband images. The rendering manager ~~may then convert~~ converts the original subband images into original contrast images which ~~may then be~~ are converted into original perceived contrast images. The rendering manager ~~may then perform~~ performs a compression procedure upon the original perceived contrast images to produce compressed perceived contrast images. The rendering manager ~~may next convert~~ converts the compressed perceived contrast images into compressed contrast images which ~~may then be~~ are converted into compressed subband images. The rendering manager ~~may then perform~~ performs a subband combination procedure for combining the compressed subband images together with a lowest-frequency subband image to ~~thereby~~ generate a rendered luminance image. The rendering manager ~~may finally combine rendered~~ combines the rendered luminance image with corresponding chrominance information to generate a rendered composite image ~~that may be utilized in any appropriate manner.~~



SYSTEM AND METHOD FOR EFFECTIVELY RENDERING HIGH DYNAMIC RANGE IMAGES

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ABSTRACT OF THE DISCLOSURE

A system and method for rendering high dynamic range images includes a rendering manager that divides an original luminance image into a plurality of original subband images. The rendering manager converts the
10 original subband images into original contrast images which are converted into original perceived contrast images. The rendering manager performs a compression procedure upon the original perceived contrast images to produce compressed perceived contrast images. The rendering manager converts the compressed perceived contrast images into compressed contrast
15 images which are converted into compressed subband images. The rendering manager performs a subband combination procedure for combining the compressed subband images together with a lowest-frequency subband image to generate a rendered luminance image. The rendering manager may combines the rendered luminance image with corresponding chrominance
20 information to generate a rendered composite image.